

## INTERNATIONAL SEARCH REPORT

national application No.  
PCT/IB2005/050102**Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.: 5  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**☐ The additional search fees were accompanied by the applicant's protest.☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5

Claims 1-5: Voltage regulator with selection circuit for selecting a reference signal out of a range of possible reference signals in dependence upon a selection signal received at an external terminal

---

2. claims: 6-10

Voltage regulator circuit with reference generation circuit comprising a plurality of inputs connected to internal terminals having a subset of the internal terminals connected to an external terminal and a voltage divider circuit

---

## INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/IB2005/050102

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2003005845 A	08-01-2003	JP 3573722 B2	06-10-2004
JP 03136349 A	11-06-1991	NONE	
US 2001005161 A1	28-06-2001	KR 2001057311 A	04-07-2001
EP 0717333 A	19-06-1996	FR 2728407 A1	21-06-1996
		DE 69521593 D1	09-08-2001
		EP 0717333 A1	19-06-1996
		JP 2827999 B2	25-11-1998
		JP 8242537 A	17-09-1996
US 2003112057 A1	19-06-2003	JP 2003086700 A	20-03-2003
		TW 571105 B	11-01-2004

## INTERNATIONAL SEARCH REPORT

In ☐ national Application No

PCT/IB2005/050102

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F1/26 G05F1/46 H01L21/82

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G05F H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 05, 12 May 2003 (2003-05-12) -& JP 2003 005845 A (NEC MICROSYSTEMS LTD), 8 January 2003 (2003-01-08) abstract; figure 5	1,6-10
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 351 (E-1108), 5 September 1991 (1991-09-05) -& JP 03 136349 A (MITSUBISHI ELECTRIC CORP), 11 June 1991 (1991-06-11) abstract; figure 2	1,6-10
X	US 2001/005161 A1 (YEONG JEON BAEK) 28 June 2001 (2001-06-28) abstract	1
	----- --/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

17 June 2005

Date of mailing of the international search report

28/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Vertua, A

## INTERNATIONAL SEARCH REPORT

In ional Application No  
PCT/IB2005/050102

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 717 333 A (STMICROELECTRONICS S.A) 19 June 1996 (1996-06-19) page 4, line 10 - page 6, line 45; figures 3,4 -----	1-4,10
X	US 2003/112057 A1 (MIHARA MASAOKI) 19 June 2003 (2003-06-19) paragraphs '0014!', '0037!', '0034! - '0043!; figure 1 -----	1,2,10

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.